ANNUAL REPORT

OF THE

Department of Public Works

OF THE

PROVINCE OF ALBERTA

1930-31

PUBLISHED BY ORDER OF THE LEGISLATIVE ASSEMBLY

EDMONTON
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1931

Edmonton, March 31, 1931.

To His Honour

W. L. WALSH,
Lieutenant Governor of the Province of Alberta.

SIR:

The undersigned has the honour to submit herewith the Report of the Department of Public Works for the fiscal year ending March 31, 1931.

Respectfully submitted,

O. L. MCPHERSON,
Minister of Public Works.

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REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

For the Fiscal Year Ending March 31, 1931.

HON. O. L. MCPHERSON,
Minister of Public Works.

SIR:

I have the honour to submit herewith the report of the Department of Public Works, for the fiscal year ending March 31, 1931.

The report of the chief district engineer submitted herewith contains the mileage and cost of main highways maintained, capital and income grants earned by municipal authorities on district highways and local roads, statement of expenditure for reconditioning of main highways, statement of expenditure for the construction of secondary highways, and ferries operated, with the cost of operation and maintenance of each.

The report of the highway commissioner submitted herewith contains full details of contracts awarded for the improvement of main highways, the mileage of sub-grade constructed and the mileage surfaced with gravel, also a detailed statement showing the cost of construction and gravel surfacing on the various highways in the Province. It will be noted that the work of gravel surfacing these main highways has added an additional 365 miles to the main highway system—thus bringing the total number of gravel surfaced miles in the highway system up to 1,188.

The reports of the provincial gaols will show that there has been a considerable increase in the number of prisoners during the past year, the total daily average for the two gaols for the past year being 498.04 as against 424.14 for the previous year, showing a daily average increase of 73.9.

I also submit herewith the following reports from the other branches of your department:

The report of the bridge engineer, showing the number of bridges constructed and maintained during the year, together with the details of steel bridges constructed.

The report of the director of surveys, containing a summary of the work of the surveys branch of your department.

The report of the superintendent of buildings, with details covering the construction and maintenance of provincial buildings.

The report of the superintendent of power plants, dealing with the work of his branch of your department.

The report of the chief clerk, as required by Section 22 of The Public Vehicles Act, 1927.

Respectfully submitted,

J. D. ROBERTSON,
Deputy Minister.

MAIN HIGHWAYS MAINTENANCE—DISTRICT HIGHWAYS AND LOCAL ROADS—FERRY CONSTRUCTION AND OPERATION

(H. P. KEITH, *Chief District Engineer*)

The total number of ferries operated during the period April 1, 1930, to March 31, 1931, was 56.

The ferry over the North Saskatchewan River at the 4th Meridian, north of Lloydminster, was operated by the Saskatchewan Government. This department paid 50% of the cost of operation and maintenance.

New ferries were installed at the following crossings: Red Deer River at East Coulee; Wapiti River south of Wembley.

New scows were built in connection with the following ferries: Bow River south of Crowfoot; Red Deer River north of Atlee; Red Deer River at Rosedale; Red Deer River at Dorothy; Red Deer River at Hutton.

STATEMENT OF EXPENDITURE FROM INCOME FOR FISCAL YEAR ENDING MARCH 31, 1931, FOR THE MAINTENANCE OF HIGHWAYS

Location.	Miles.	Amount.
Edmonton to Calgary—		
Sec. A. Calgary to Red Deer	95.0	$105,400.39
Sec. B. Red Deer to Wetaskiwin	54.0	49,521.77
Sec. C. Wetaskiwin to Edmonton	37.0	40,254.37
Calgary to Banff Park Boundary	50.0	55,061.36
Calgary to Medicine Hat—		
Sec. A. Calgary to E. Bdry. Rge. 16-4	101.0	45,696.59
Sec. B. E. Bdry. Rge. 16-4 to Medicine Hat	99.0	7,336.24
Calgary to U.S. Boundary—		
Sec. A. Calgary to Nanton	54.0	75,096.47
Sec. B. Nanton to Carway	107.0	56,734.38
Walsh to Crow's Nest—		
Sec. A. Walsh to Grassy Lake	86.0	8,083.05
Sec. B. Grassy Lake to Crow's Nest	160.0	45,788.59
Lethbridge to Coutts	71.0	18,707.69
Calgary to Bowness Park	4.5	3,164.58
Hanna to Viking—		
Sec. A. Hanna to Battle River	65.0	4,644.32
Sec. B. Battle River to Viking	53.0	3,629.15
Calgary to Alsask—		
Sec. A. Inverlake to Drumheller	70.0	6,185.59
Sec. B. Drumheller to Alsask	155.0	13,844.35
Lacombe to Compeer—		
Sec. A. Lacombe to Halkirk	76.0	15,070.84
Sec. B. Halkirk to Coronation	41.0	2,531.01
Sec. C. Coronation to Compeer	76.0	9,729.38
Wetaskiwin to Hayter—		
Sec. A. Wetaskiwin to Camrose	24.0	6,178.16
Sec. B. Camrose to Hayter	162.0	15,410.79
Edmonton to Butze—		
Sec. A. Edmonton to Wainwright	147.0	13,838.87
Sec. B. Wainwright to Butze	38.0	4,106.16
Edmonton to Lloydminster—		
Sec. A. Edmonton to Chipman	40.0	20,445.55
Sec. B. Chipman to E. Bdry. Rge. 13	48.0	11,964.74
Sec. C. E. Bdry. Rge. 13 to Lloydminster	91.0	11,987.51
Edmonton to Jasper—		
Sec. A. Edmonton to Edson	123.0	27,127.14
Sec. B. Edson to Jasper	74.0	7,655.05
Edmonton to Athabasca	90.0	15,527.98
Edmonton to N.E. 24-53-19-4	36.0	3,584.85
Grande Prairie to Pouce Coupe	65.0	8,089.09
Athabasca to Peace River—		
Sec. A. Athabasca to N. Bdry. Tp. 68	30.0	1,107.61
Sec. B. N. Bdry. Tp. 68 to Peace River	210.0	32,187.28
Red Deer to Rocky Mountain House	50.0	4,904.98
Peace River to Grande Prairie—		
Sec. A. Peace River to 6th Meridian	40.0	7,042.80
Sec. B. 6th Meridian to Grande Prairie	96.0	9,971.68
Drumheller to Wayne	7.7	2,028.93
Grimshaw to Battle River	50.0	5,974.52
Cardston to Waterton Lakes Park	25.0	7,430.74

Location.	Miles.	Amount.
Pincher Creek to Waterton Lakes Park	33.0	$ 6,284.02
Okotoks to Black Diamond	17.0	30,315.86
Fifth Meridian to Alberta Beach	18.0	966.07
St. Albert to Fifth Meridian	25.0	1,175.14
Old Barrhead to Fort Assiniboine	30.0	1,405.44
Nobleford to Carmangay	21.0	3,590.78
Lethbridge to Cardston	49.0	52.14
Duvernay to Cold Lake	103.0	6,192.13
Jasper Highway to Seba Beach	2.0	237.05
Totals	3199.2	$833,263.18

SUMMARY

Maintenance of Highways	$833,263.18
General:	
Administration and Supervision	19,888.79
Machinery and Equipment	36,211.06
Repairs	5,645.87
Signs	3,855.17
Snow Fence	25,308.25
Sundries	8,510.63
	$932,682.95

STATEMENT OF EXPENDITURE ON CONSTRUCTION AND MAINTENANCE OF DISTRICT AND LOCAL ROADS, APRIL 1, 1930, TO MARCH 31, 1931

I.D. or M.D. No.	Income	Capital	Total
I.D. 1	$ 460.00	$	$ 460.00
I.D. 2	452.80	172.55	625.35
I.D. 3	542.25	102.74	644.99
I.D. 4	850.71	1,388.60	2,239.31
I.D. 5	864.00	599.50	1,463.50
I.D. 6	1,042.65	601.00	1,643.65
I.D. 7	995.90	995.00	1,990.90
I.D. 8	1,127.50	1,998.00	3,125.50
I.D. 9	1,004.50	1,495.50	2,500.00
M.D. 10	640.00	475.00	1,115.00
I.D. 31	385.09	.....	385.09
I.D. 32	833.31	1,204.73	2,038.04
M.D. 33	670.50	1,600.00	2,270.50
M.D. 34	1,127.00	2,000.00	3,127.00
I.D. 35	604.15	.....	604.15
M.D. 36	575.00	5,075.00	5,650.00
M.D. 37	1,119.00	2,345.00	3,464.00
I.D. 38	840.19	1,301.60	2,141.79
M.D. 39	925.00	1,000.00	1,925.00
M.D. 40	841.00	.....	841.00
I.D. 61	1,079.34	1,201.53	2,280.87
I.D. 62	910.05	994.65	1,904.70
I.D. 63	807.85	993.65	1,801.50
M.D. 64	1,127.00	1,813.55	2,940.55
M.D. 65	932.00	425.00	1,357.00
I.D. 66	1,097.50	495.00	1,592.50
I.D. 67	1,440.00	899.00	2,339.00
I.D. 68	869.60	1,500.40	2,370.00
M.D. 69	970.00	.....	970.00
M.D. 70	1,672.00	500.00	2,172.00
I.D. 71	323.10	.....	323.10
I.D. 91	1,123.55	694.47	1,818.02
M.D. 92	939.00	1,833.10	2,772.10
I.D. 93	706.50	877.77	1,584.27
I.D. 96	366.63	495.00	861.63
I.D. 97	1,384 40	661.50	2,045.90
M.D. 98	1,492.00	3,500.00	4,992.00
M.D. 99	1,175.00	4,100.00	5,275.00
I.D. 100	1,155.92	799.00	1,954.92
I.D. 101	312.30	.....	312.30
I.D. 121	674.80	968.37	1,643.17
I.D. 122	760.25	890.35	1,650.60
I.D. 123	847.00	584.30	1,431.30
I.D. 124	103.00	300.00	403.00
I.D. 125	1,002.00	497.50	1,499.50
I.D. 126	803.00	998.75	1,801.75
M.D. 128	1,084.00	2,500.00	3,584.00
M.D. 129	1,739.00	2,835.00	4,574.00
I.D. 130	911.80	998.92	1,910.72
I.D. 131	303.65	.....	303.65
I.D. 151	1,014.00	991.87	2,005.87
I.D. 152	768.00	.....	768.00
I.D. 153	811.73	.....	811.73
I.D. 154	422.93	618.19	1,041.12
I.D. 155	908.31	998.85	1,907.16
I.D. 156	1,047.95	800.00	1,847.95
M.D. 157	1,539.00	5,000.00	6,539.00
M.D. 158	1,624.00	606.25	2,230.25

I.D. or M.D. No.	Income	Capital	Total
M.D. 159	$ 1,677.00	$ 3,000.00	$ 4,677.00
I.D. 160	519.50	.....	519.50
I.D. 161	300.00	.....	300.00
I.D. 181	1,027.60	996.65	2,024.25
I.D. 182	1,031.97	249.00	1,280.97
I.D. 183	929.69	.....	929.69
I.D. 184	466.89	281.50	748.39
I.D. 185	1,067.37	1,492.60	2,559.97
I.D. 186	906.50	999.65	1,906.15
M.D. 189	1,968.00	3,000.00	4,968.00
M.D. 190	1,486.00	2,000.00	3,486.00
M.D. 191	1,531.00	3,000.00	4,531.00
I.D. 211	638.54	996.75	1,635.29
I.D. 212	898.35	994.05	1,892.40
I.D. 213	743.05	498.50	1,241.55
M.D. 214	798.00	790.00	1,588.00
M.D. 215	644.00	994.00	1,638.00
I.D. 216	920.00	.....	920.00
I.D. 217	1,079.84	1,500.11	2,579.95
M.D. 218	1,313.00	4,800.00	6,113.00
M.D. 219	1,316.00	2,000.00	3,316.00
M.D. 220	1,236.00	2,000.00	3,236.00
M.D. 221	813.00	2,150.00	2,963.00
I.D. 222	1,058.66	299.97	1,358.63
M.D. 241	1,105.00	1,678.00	2,783.00
M.D. 242	1,062.00	1,200.00	2,262.00
M.D. 243	910.00	825.00	1,735.00
M.D. 244	997.00	1,000.00	1,997.00
M.D. 245	997.00	1,000.00	1,997.00
I.D. 246	653.10	591.60	1,244.70
I.D. 247	1,172.05	5,003.87	6,175.92
M.D. 248	1,349.00	3,000.00	4,349.00
M.D. 250	1,672.00	3,100.00	4,772.00
I.D. 251	1,051.25	1,500.00	2,551.25
I.D. 252	890.50	500.00	1,390.50
M.D. 271	1,062.00	450.00	1,512.00
M.D. 272	1,062.00	1,275.00	2,337.00
M.D. 273	1,010.00	1,700.00	2,710.00
M.D. 274	1,023.00	1,000.00	2,023.00
M.D. 275	1,078.00	1,500.00	2,578.00
M.D. 277	1,269.00	1,200.00	2,469.00
M.D. 278	1,738.00	4,000.00	5,738.00
M.D. 279	1,494.00	3,000.00	4,494.00
M.D. 280	1,741.00	3,000.00	4,741.00
M.D. 281	1,494.00	2,000.00	3,494.00
I.D. 282	1,249.62	.....	1,249.62
M.D. 301	1,062.00	870.00	1,932.00
M.D. 302	1,049.00	909.00	1,958.00
M.D. 303	1,036.00	1,000.00	2,036.00
M.D. 304	932.00	1,496.50	2,428.50
M.D. 305	1,126.00	1,000.00	2,126.00
M.D. 306	1,261.00	1,500.00	2,761.00
M.D. 307	1,105.00	1,500.00	2,605.00
M.D. 308	1,608.00	2,500.00	4,108.00
M.D. 309	1,559.00	2,000.00	3,559.00
M.D. 310	1,842.00	4,000.00	5,842.00
M.D. 311	1,594.00	2,000.00	3,594.00
M.D. 312	2,101.00	1,000.00	3,101.00
I.D. 331	1,164.82	1,599.75	2,764.57
I.D. 332	1,133.75	1,600.60	2,734.35
I.D. 333	1,287.30	1,999.95	3,287.25
M.D. 334	1,902.00	1,200.00	3,102.00
M.D. 335	827.00	1,000.00	1,827.00
M.D. 336	1,544.00	2,500.00	4,044.00
M.D. 337	1,538.00	1,500.00	3,038.00
M.D. 338	1,810.00	3,000.00	4,810.00
M.D. 339	1,474.00	3,000.00	4,474.00
M.D. 340	1,924.00	1,500.00	3,424.00
M.D. 341	1,680.00	2,700.00	4,380.00
M.D. 342	1,620.00	2,400.00	4,020.00
M.D. 343	1,678.00	200.00	1,878.00
I.D. 344	272.00	.....	272.00
M.D. 361	1,349.00	2,000.00	3,349.00
M.D. 362	1,395.00	1,200.00	2,595.00
M.D. 363	1,479.00	3,000.00	4,479.00
M.D. 364	1,819.00	4,000.00	5,819.00
M.D. 365	1,656.00	1,500.00	3,156.00
M.D. 366	1,270.00	2,500.00	3,770.00
M.D. 367	1,611.00	2,500.00	4,111.00
M.D. 371	1,758.00	2,000.00	3,758.00
M.D. 391	1,512.00	1,400.00	2,912.00
M.D. 392	1,388.00	1,600.00	2,988.00
M.D. 393	1,414.00	2,500.00	3,914.00
M.D. 394	1,104.00	2,000.00	3,104.00
M.D. 395	1,518.00	3,000.00	4,518.00
M.D. 396	1,504.00	3,525.00	4,829.00
M.D. 397	1,295.00	1,100.00	2,395.00
M.D. 398	1,685.00	2,000.00	3,685.00
M.D. 399	2,341.00	2,500.00	4,841.00
M.D. 400	1,639.00	4,500.00	6,139.00
M.D. 401	2,201.00	2,600.00	4,801.00
I.D. 403	1,247.60	.....	1,247.60
M.D. 421	1,479.00	1,500.00	2,979.00
M.D. 422	1,492.00	1,600.00	3,092.00

I.D. or M.D. No.	Income	Capital	Total
M.D. 423	$ 1,414.00	$ 1,000.00	$ 2,414.00
M.D. 424	970.00	850.00	1,820.00
M.D. 425	1,771.00	750.00	2,521.00
M.D. 426	1,760.00	1,600.00	3,360.00
M.D. 427	1,369.90	4,000.00	5,369.90
M.D. 428	1,037.00	3,000.00	4,037.00
M.D. 429	1,768.00	3,000.00	4,768.00
M.D. 430	1,659.00	2,400.00	4,059.00
M.D. 431	1,573.00	.....	1,573.00
M.D. 451	1,494.00	3,000.00	4,494.00
M.D. 452	1,170.00	1,300.00	2,470.00
M.D. 453	1,521.00	1,700.00	3,221.00
M.D. 454	1,374.00	1,500.00	2,874.00
M.D. 455	1,259.00	1,800.00	3,059.00
M.D. 456	1,559.00	3,000.00	4,559.00
M.D. 457	1,664.00	3,000.00	4,664.00
M.D. 458	2,283.00	3,000.00	5,283.00
M.D. 459	1,825.00	2,750.00	4,575.00
M.D. 460	1,277.00	3,000.00	4,277.00
I.D. 461	1,483.70	.....	1,483.70
I.D. 462	468.00	.....	468.00
M.D. 481	1,689.00	1,400.00	3,089.00
M.D. 482	1,671.00	1,800.00	3,471.00
M.D. 483	1,703.00	3,000.00	4,703.00
M.D. 484	1,587.00	1,600.00	3,187.00
M.D. 485	1,243.00	3,250.00	4,493.00
M.D. 486	1,886.00	800.00	2,686.00
M.D. 487	2,220.00	2,500.00	4,720.00
M.D. 488	1,716.00	1,800.00	3,516.00
M.D. 489	2,327.00	2,500.00	4,827.00
M.D. 490	1,638.00	1,000.00	2,638.00
I.D. 491	1,249.36	250.00	1,499.36
M.D. 511	1,898.00	3,000.00	4,898.00
M.D. 512	1,833.00	2,800.00	4,633.00
M.D. 513	1,723.00	1,700.00	3,423.00
M.D. 514	1,784.00	2,400.00	4,184.00
M.D. 515	1,698.00	1,300.00	2,998.00
M.D. 516	2,083.00	2,000.00	4,083.00
M.D. 517	1,674.00	5,000.00	6,674.00
M.D. 518	1,600.00	3,000.00	4,600.00
M.D. 519	1,912.00	5,000.00	6,912.00
M.D. 520	2,045.00	5,000.00	7,045.00
M.D. 521	1,245.00	1,500.00	2,745.00
M.D. 522	1,365.00	635.00	2,000.00
I.D. 523	720.15	.....	720.15
I.D. 524	1,523.25	.....	1,523.25
I.D. 525	350.00	.....	350.00
I.D. 526	366.00	.....	366.00
I.D. 527	862.00	.....	862.00
I.D. 541	1,071.71	598.60	1,670.31
M.D. 542	1,503.00	772.00	2,275.00
M.D. 543	2,205.00	800.00	3,005.00
M.D. 544	1,294.00	1,000.00	2,294.00
M.D. 545	1,989.00	1,800.00	3,789.00
M.D. 546	1,953.00	3,600.00	5,553.00
M.D. 547	1,892.00	3,200.00	5,092.00
M.D. 548	2,418.00	10,663.76	13,081.76
M.D. 549	1,791.00	4,344.00	6,135.00
M.D. 550	2,114.00	1,800.00	3,914.00
M.D. 551	2,558.00	5,250.00	7,808.00
M.D. 552	1,977.00	2,500.00	4,477.00
I.D. 553	1,634.46	.....	1,634.46
I.D. 554	1,170.25	351.67	1,521.92
I.D. 555	1,665.81	.....	1,665.81
I.D. 556	394.35	.....	394.35
I.D. 557	.....	.....	.....
I.D. 558	176.00	.....	176.00
I.D. 571	951.45	.....	951.45
M.D. 572	1,323.00	1,450.00	2,773.00
M.D. 573	1,970.00	2,500.00	4,470.00
M.D. 574	1,174.00	1,000.00	2,174.00
M.D. 575	2,165.37	2,500.00	4,665.37
M.D. 576	2,510.00	1,800.00	4,310.00
M.D. 577	2,580.00	2,718.00	5,298.00
M.D. 578	2,292.00	3,000.00	5,292.00
M.D. 579	2,399.00	4,000.00	6,399.00
M.D. 580	2,340.00	1,080.00	3,420.00
M.D. 581	2,261.00	3,000.00	5,261.00
M.D. 582	2,919.00	6,500.00	9,419.00
I.D. 583	2,485.30	1,003.10	3,488.40
I.D. 584	1,457.38	579.45	2,036.83
I.D. 585	848.75	.....	848.75
I.D. 601	1,376.34	.....	1,376.34
I.D. 602	1,704.55	249.00	1,953.55
I.D. 603	1,586.60	.....	1,586.60
I.D. 604	1,323.05	.....	1,323.05
M.D. 605	1,185.00	1,100.00	2,285.00
I.D. 606	600.00	.....	600.00
I.D. 607	1,475.20	.....	1,475.20
M.D. 608	2,135.75	1,800.00	3,935.75
M.D. 609	2,568.75	3,000.00	5,568.75
M.D. 610	2,064.00	2,600.00	4,664.00
I.D. 611	1,168.70	.....	1,168.70
I.D. 612	963.00	.....	963.00
I.D. 613	874.05	.....	874.05

I.D. or M.D. No.	Income	Capital	Total
I.D. 614	$ 98.88	$	$ 98.88
I.D. 615	347.60	.....	347.60
I.D. 631	1,207.65	.....	1,207.65
I.D. 632	926.00	.....	926.00
I.D. 634	1,307.04	.....	1,307.04
I.D. 635	1,837.00	.....	1,837.00
I.D. 636	532.10	.....	532.10
M.D. 637	1,840.00	1,200.00	3,040.00
M.D. 638	2,000.00	2,500.00	4,500.00
I.D. 639	1,501.00	.....	1,501.00
I.D. 640	1,432.55	.....	1,432.55
I.D. 641	1,884.72	.....	1,884.72
I.D. 665	1,950.12	.....	1,950.12
I.D. 666	661.50	.....	661.50
I.D. 667	1,830.79	1,000.00	2,830.79
M.D. 668	1,520.00	400.00	1,920.00
I.D. 669	1,057.47	.....	1,057.47
I.D. 695	783.00	.....	783.00
I.D. 696	778.24	.....	778.24
I.D. 697	807.65	.....	807.65
I.D. 698	324.80	.....	324.80
I.D. 699	361.00	.....	361.00
I.D. 705	186.00	.....	186.00
I.D. 706	829.85	.....	829.85
I.D. 707	795.25	.....	795.25
I.D. 708	817.46	.....	817.46
I.D. 709	113.95	.....	113.95
I.D. 710	697.92	.....	697.92
I.D. 726	1,765.60	.....	1,765.60
I.D. 727	401.00	.....	401.00
I.D. 729	726.00	.....	726.00
I.D. 730	236.90	.....	236.90
I.D. 731	375.00	.....	375.00
I.D. 732	1,355.00	369.92	1,724.92
I.D. 733	231.70	.....	231.70
I.D. 734	441.60	.....	441.60
I.D. 735	961.80	.....	961.80
I.D. 737	677.11	.....	677.11
I.D. 738	1,777.59	.....	1,777.59
M.D. 739	2,935.00	7,500.00	10,435.00
M.D. 740	2,301.00	1,800.00	4,101.00
I.D. 741	2,381.22	2,250.00	4,631.22
I.D. 742	1,213.27	.....	1,213.27
I.D. 761	74.00	.....	74.00
I.D. 763	73.00	.....	73.00
I.D. 764	1,660.87	800.00	2,460.87
I.D. 765	1,982.58	.....	1,982.58
I.D. 766	2,651.55	700.00	3,351.55
I.D. 767	996.00	.....	996.00
I.D. 769	1,799.26	.....	1,799.26
I.D. 770	1,889.20	.....	1,889.20
I.D. 771	2,949.63	1,707.78	4,657.41
I.D. 772	3,034.74	.....	3,034.74
I.D. 794	1,546.40	.....	1,546.40
I.D. 795	504.70	.....	504.70
I.D. 796	3,601.17	1,996.00	5,597.17
I.D. 797	929.30	.....	929.30
I.D. 800	1,307.47	.....	1,307.47
I.D. 801	755.08	.....	755.08
I.D. 819	486.00	.....	486.00
I.D. 825	1,827.37	578.16	2,405.53
I.D. 826	1,029.46	706.20	1,735.66
I.D. 828	1,313.12	160.00	1,473.12
M.D. 829	1,930.00	600.00	2,530.00
I.D. 830	1,638.00	.....	1,638.00
I.D. 831	1,571.92	.....	1,571.92
I.D. 843	748.15	.....	748.15
I.D. 855	1,822.15	.....	1,822.15
M.D. 857	3,021.90	1,153.90	4,175.80
M.D. 858	2,984.00	6,000.00	8,984.00
I.D. 859	1,229.54	.....	1,229.54
I.D. 861	539.98	.....	539.98
I.D. 873	510.00	.....	510.00
I.D. 874	337.84	.....	337.84
I.D. 886	1,787.30	983.76	2,771.06
I.D. 887	1,798.00	1,154.65	2,952.65
I.D. 888	1,445.47	.....	1,445.47
I.D. 889	1,175.72	.....	1,175.72
I.D. 916	1,569.58	.....	1,569.58
I.D. 917	1,097.20	.....	1,097.20
I.D. 946	2,365.08	.....	2,365.08
I.D. 947	457.00	.....	457.00
I.D. 977	610.00	.....	610.00
I.D. 978	529.00	.....	529.00
I.D. 1065	643.50	.....	643.50
I.D. 1092	270.00	.....	270.00
I.D. 1094	957.00	301.20	1,258.20
I.D. 1124	960.00	93.25	1,053.25
I.D. 1125	654.00	.....	654.00
Special Appropriations Indian Reserves..	9,013.70	16,209.91	25,223.61
SPECIAL APPROPRIATIONS:			
Onoway Whitecourt	2,050.57	.....	2,050.57
Grouard-White Fish Lake.....	232.85	.....	232.85

Location.	Income	Capital	Total
S. of 3 and 4-60-10w4	$ 600.00	$	$ 600.00
Road along lake front Chipewyan Settlement	740.20	.....	740.20
N.W. ¼ Sec. 2 and W. of 11-54-16w5	583.47	.....	583.47
N. 22 and 23-43-4w5	250.00	.....	250.00
N. 22 and 23-53-15w5	700.00	.....	700.00
Jasper Highway to Mountain Park	32.85	.....	32.85
E. 1-12 and 13-61-25w4	921.21	.....	921.21
S. 18-32-5w5 and S. 13-32-6-w5	.....	505.27	505.27
Winfield-Buck Lake	.....	1,967.11	1,967.11
Hoadley West 6 miles	.....	3,503.01	3,503.01
St. Paul-Cold Lake	.....	13,733.18	13,733.18
Approaches to Brosseau Bridge	.....	3,687.52	3,687.52
Through 24, 25 and 36-68-17w4	.....	1,979.05	1,979.05
Breton Northwesterly	.....	2,121.00	2,121.00
Breton West	.....	1,384.50	1,384.50
Through 3 and 4, N. 5 and 6-49-6w5	.....	489.05	489.05
E. 33-49-6w5 and E. 4 and 9-50-6w5	.....	152.00	152.00
Evansburg South	.....	2,002.25	2,002.25
Evansburg-Rochfort	.....	3,637.65	3,637.65
McKay North	.....	1,852.59	1,852.59
Sangudo-Barrhead	.....	2,000.00	2,000.00
Peavine North	.....	991.75	991.75
Greencourt West	.....	2,963.60	2,963.60
Niton North	.....	2,116.38	2,116.38
Wolf Creek-Rosevear	.....	1,559.76	1,559.76
Edson-McLeod Valley	.....	2,329.40	2,329.40
Chip Lake—South	.....	819.35	819.35
Entwistle South	.....	1,979.37	1,979.37
Anselmo-Mahaska	.....	942.40	942.40
Greencourt to Connor's Corner	.....	1,045.20	1,045.20
Barrhead-Holmes Crossing	.....	8,884.48	8,884.48
S. Boundary of I.D. 639 to Flatbush	.....	10,241.01	10,241.01
Newbrook-Abee	.....	4,427.98	4,427.98
Plamondon-Wandering River	.....	7,234.85	7,234.85
Athabasca-Calling Lake	.....	4,485.39	4,485.39
Paxton-Athabasca	.....	4,638.37	4,638.37
Lac La Biche Rd to McKenzie Settlement	.....	3,021.30	3,021.30
Battle River Settlement North	.....	4,778.05	4,778.05
From 26-86-24w5 to E. 7-87-24w5	.....	1,722.22	1,722.22
From N. 9-87-23w5 to N. 10-87-25w5	.....	1,512.96	1,512.96
District Highway through 84-24 and 25w5	.....	1,500.00	1,500.00
District Highway through 85 and 86-22w5	.....	3,407.49	3,407.49
District Highway through Tp. 84 and 85-20 and 21w5	.....	5,147.45	5,147.45
District Highway through 81 and 82-21 and 22-5	.....	2,094.56	2,094.56
District Highway through 82-19w5	.....	1,609.08	1,609.08
District Highway through 75 and 76-21w5	.....	1,476.40	1,476.40
East Tp. 76-21w5	.....	500.00	500.00
District Highway through Tp. 77, 78 and 79-22w5	.....	1,575.61	1,575.61
West of Girouxville	.....	792.85	792.85
Fort Vermilion Settlement	.....	535.50	535.50
Smoky River-Sturgeon Lake	.....	13,133.84	13,133.84
St. John Trail through I.D.'s 859 and 889	.....	14,586.68	14,586.68
Spirit River (Cache 1) to Blueberry Mountain	.....	4,695.98	4,695.98
Pouce Coupe River Crossing, S. of 8 and 9-80-13-w6	.....	4,873.76	4,873.76
Belloy-Eaglesham South and West	.....	2,586.78	2,586.78
Tangent South	.....	2,105.61	2,105.61
Lac La Biche-Beaver Lake	.....	801.40	801.40
Approaches to Ferry over Wapiti River South of Wembley	.....	1,849.00	1,849.00
West from Lac La Biche Mission	.....	9,862.24	9,862.24
North of Ardmore	.....	804.35	804.35
N.W. from Bonnyville	.....	1,004.05	1,004.05
North from LaCorey	.....	813.12	813.12
High Prairie-Sturgeon Lake (Aerial Photo Survey)	.....	6,562.00	6,562.00
Killam Southerly 4 miles to coulee	.....	2,985.36	2,985.36
Between Venice and Lac La Biche	.....	2,501.72	2,501.72
East 2, 11, 14 and 23-59-10-w5	.....	1,000.00	1,000.00
N. and S. of N.E. 27-74-13w6	.....	1,454.53	1,454.53
Fort Fitzgerald to Fort Smith Portage	.....	10,661.11	10,661.11
From N.E. 22-56-9w4 South 6 miles, 1 mile East and S.E. to Myrnam Ferry Crossing	.....	1,700.00	1,700.00
Lake Eliza Northerly in Tp. 56-8 and 9w4	.....	800.00	800.00
Onoway-Whitecourt Road through M.D. No. 582	.....	1,802.00	1,802.00
East 4 to 33-83-3w6	.....	545.61	545.61
District Highway through Tp. 75-2w6	.....	195.00	195.00
District Highway through Tp. 76-3w6	.....	126.50	126.50
E. 24 and 25-55-14w5	.....	50.00	50.00
Through 34-55-14w5	.....	43.00	43.00
South Bank of Bear Creek E. 23-79-13w6	.....	405.80	405.80
East 36-38-5w4	.....	81.00	81.00
General	28,221.14	24,972.70	53,193.84
Total	$476,121.39	$683,752.63	$1,159,874.02

STATEMENT OF EXPENDITURE

CONSTRUCTION—SECONDARY HIGHWAYS

APRIL 1ST, 1930, TO MARCH 31ST, 1931.

From Main Highway to Seba Beach	$ 5,107.26
Carmangay to High River	136,891.51
From Main Highway to Edmonton Beach (Engineering)	104.98
From Main Highway to Kapasiwin Beach	5,407.77
Gull Lake to Sylvan Lake via Bentley	18,905.47
From S.E. corner Sec. 4, Tp. 19-24-w4, northerly to Carseland Bridge	30,894.92
Lethbridge to Cardston	61,028.64
Edmonton to Beaverhills (Clover Bar-Ross Creek and through Cooking Lake Forest Reserve)	19,152.12
Okotoks to Black Diamond (Compensation)	732.90
Black Diamond P.O. south 6 miles (Gravel Surfacing)	13,904.97
Road across Sec. 13, Tp. 20-3w5. (Gravel Surfacing)	1,561.69
Spooner's Corner to Millarville and Midnapore (Gravelling)	11,690.99
Roads General	5,005.93
Total	$307,389.15

STATEMENT OF EXPENDITURE

HIGHWAY CONSTRUCTION CARRIED OUT BY DAY LABOUR

APRIL 1ST, 1930, TO MARCH 31ST, 1931.

Calgary-Banff (Construction of Culvert)	$ 961.20
Calgary-Nanton (Construction of Revisions)	31,899.08
Nanton-Carway (Const. Road Macleod-Nanton)	4,108.70
Pincher West (Construction), Cowley West (Grading and Gravelling)	10,062.42
Wetaskiwin-Camrose (Surveys Compensation S.W. ¼ 25 39-4w4	19.00
Bittern Lake-Hayter	133.40
Edmonton-Wainwright (Railway Crossing E. end of Whyte Ave. just outside City Limits)	515.99
Edmonton-Fort Saskatchewan (Asphaltic Oil Work)	36,612.24
Jasper Highway: Horner-Edson	10,364.78
Edson-Sundance	8,495.38
Hinton-Jasper	26,669.70
Clyde-Athabasca	5,248.66
Hythe-B.C. Boundary (Construction Work)	3,000.10
Peace River Highway: Smith-Athabasca	136,779.49
McLennan-High Prairie	77,335.98
Red Deer-Rocky Mountain House (Surveys Compensation N.W. ¼ 22-39-7w5.)	109.80
Peace River-Sixth Meridian (Construction Peace River Hill and Grade westerly towards Grimshaw)	9,247.14
Roycroft-Sexsmith and Saddle Mountains	4,983.63
Roads General	1,380.30
Total	$367,926.99

STATEMENT OF EXPENDITURE

OPERATION, MAINTENANCE, AND RECONSTRUCTION OF FERRIES

April 1st, 1930, to March 31st, 1931.

Location.	Operation	Maintenance	Reconstruction	Total
N. Saskatchewan River at Brosseau	$ 1,645.50	$ 1,162.03	$	$ 2,807.53
N. Saskatchewan River at Desjarlais	881.72	184.97	.....	1,066.69
Athabasca River at Holmes Crossing	1,183.00	345.97	.....	1,528.97
Red Deer River at Dorothy	862.21	363.72	1,013.86	2,239.79
N. Saskatchewan River at Pakan	791.53	500.43	.....	1,291.96
Red Deer River at Garrington	997.42	84.12	.....	1,081.54
N. Saskatchewan River N. of Lloydminster	741.70	639.23	.....	1,380.93
Athabasca River at Athabasca	1,552.14	458.76	.....	2,010.90
Pembina River at Letts Crossing	833.52	42.75	.....	876.27
N. Saskatchewan River at Shandro	1,554.00	203.92	.....	1,757.92
N. Saskatchewan River at Hopkins	842.42	231.20	.....	1,073.62
Red Deer River at Hutton	913.75	970.24	1,347.36	3,231.35
N. Saskatchewan River at Rocky Mountain House	1,494.49	174.94	.....	1,669.43

	Operation	Maintenance	Reconstruction	Total
Lac Ste. Anne at Narrows Lac Ste. Anne	$ 884.17	$ 69.00	$	$ 953.17
N. Saskatchewan River at Lea Park	1,599.00	260.00	201.30	2,060.30
N. Saskatchewan River at Eldorena	715.81	114.62	.....	830.43
Pembina River at Wright's Crossing	749.40	136.86	.....	886.26
N. Saskatchewan River at Lamora's Crossing	837.98	172.51	.....	1,010.49
Peace River at Dunvegan	1,861.67	628.05	.....	2,489.72
S. Saskatchewan River at Bow Island	907.69	170.70	.....	1,078.39
N. Saskatchewan River N. of Myrnam	800.80	199.05	.....	999.85
N. Saskatchewan River at Genesee	814.28	60.71	.....	874.99
Red Deer River at Steveville	868.30	81.18	.....	949.48
Smoky River at Goodwin Crossing	1,026.75	292.11	.....	1,318.86
Bow River at Riverbow	772.02	200.23	.....	972.25
Bow River at Bredin Crossing	937.42	47.93	304.10	1,289.45
Red Deer River W. of Munson	860.39	74.70	.....	935.09
N. Saskatchewan River at Berrymoor	867.55	254.45	.....	1,122.00
Red Deer River at Finnegan	856.02	216.99	41.05	1,114.06
Pembina River at Matthew's Crossing	814.57	71.84	.....	886.41
N. Saskatchewan River at Lindbergh	810.13	196.83	.....	1,006.96
McLeod River at Allendale Crossing	771.17	233.29	.....	1,004.46
N. Saskatchewan River at Vinca	860.77	324.33	.....	1,185.10
McLeod River at McLeod Valley	847.71	258.21	.....	1,105.92
Red Deer River N. of Jenner	913.75	337.47	349.71	1,600.93
Red Deer River at Gregory Crossing	894.50	300.38	489.70	1,684.58
N. Saskatchewan River at Elk Point	1,564.34	209.27	.....	1,773.61
Red Deer River W. of Morrin	922.92	328.17	.....	1,251.09
Athabasca River at Smith	1,545.67	391.22	2,111.80	4,048.69
Wapiti River at Wembley	274.50	136.05	.....	410.55
Red Deer River at East Coulee	751.75	410.69	.....	1,162.44
Pembina River W. of Fawcett	734.58	39.84	.....	774.42
Bow River S. of Crowfoot	1,278.50	393.22	1,393.76	3,065.48
Pembina River S. of Fawcett	851.71	77.00	.....	928.71
N. Saskatchewan River at Waskatenau	1,549.50	210.41	.....	1,759.91
Athabasca River at Blue Ridge	622.00	945.25	.....	1,567.25
McLeod River at Mahaska	837.07	175.11	.....	1,012.18
Red Deer River N. of Atlee	1,734.65	397.21	705.11	2,836.97
N. Saskatchewan River at Forbesville	814.28	358.65	.....	1,172.93
S. Saskatchewan River S. of Empress	1,638.32	385.17	.....	2,023.49
McLeod River at Rosevear	818.40	211.52	.....	1,029.92
N. Saskatchewan River at Warspite	789.39	106.61	.....	896.00
Red Deer River at Buffalo Crossing	1,624.49	454.93	.....	2,079.42
Peace River at Fort Vermilion	711.70	945.48	.....	1,657.18
N. Saskatchewan River at Heinsburg	1,499.71	321.97	231.20	2,052.88
Red Deer River at Rosedale	1,620.15	274.57	1,225.81	3,120.53
Bow River at Bow Slope	933.11	298.84	.....	1,231.95
Ferries General	.....	7,247.50	.....	7,247.50
Totals	$58,681.99	$24,382.40	$ 9,414.76	$92,479.15

STATEMENT OF EXPENDITURE

FERRIES CONSTRUCTION

APRIL 1ST, 1930, TO MARCH 31ST, 1931.

Location.	Amount
Red Deer River at East Coulee	$ 2,864.16
Wapiti River at Wembley	2,518.72
Athabasca River at Fort Smith (Double-boarded Shack)	75.00
General	194.97
Total	$ 5,652.85

MAIN HIGHWAYS

(C. A. DAVIDSON, *Highway Commissioner*)

The following report contains in detail, records of construction of main and secondary highway projects operated under contract by this branch for the year ending March 31, 1931.

A summary of quantities moved under contract with average prices received, together with summary of work done under agreement with urban municipalities, is also submitted.

Progress made in elimination of highway crossings at rail level and also in complete separation by construction of overhead crossings, is also reported and the work described has been undertaken in co-operation with the Board of Railway Commissioners for Canada.

MAIN HIGHWAYS

1930-1931

Contracts awarded in the year ending March 31, 1931, on Main Highway Projects are as follows:

STANDARD EARTH GRADE

Location.	Miles	% Comp.	Contractor.
Irvine-Medicine Hat	18.72	100	E. O'Connor.
Taber-Chin	13.40	100	F. Mannix.
Gleichen-Bassano	28.40	100	Campbell Constr. Co.
Bassano-Brooks	38.43	100	Williamson & Callison.
Inverlake-17 M.E. of Beiseker	45.14	100	F. Mannix.
17 M.E. of Beiseker-Drumheller	23.65	100	F. Mannix.
Camrose-Daysland	25.85	100	H. G. Macdonald & Co.
Whyte Avenue Revision	1.19	100	Commercial Cartage Co.
S. Cooking Lake-Tofield	20.33	78	W. A. Foreman & Co. Ltd.
Lavoy Revision	4.82	100	Caldwell & Fowler.
Seba Corner-Entwistle	11.20	100	H. G. Macdonald & Co.
Evansburg-Styal	4.75	100	H. G. Macdonald & Co.
Lacombe-Gull Lake	11.59	100	F. Jackson.
	247.47 Miles		

SURFACING

Location.	Miles	% Comp.	Type	Contractor.
Walsh-Medicine Hat	31.26	100	1G	Commercial Ctge. Co.
Taber-Lethbridge	32.68	100	1G	H. G. Macdonald & Co.
Macleod-Nanton	53.77	100	2G	H. G. Macdonald & Co.
8 M. E. of Strathmore-Crowfoot Creek	31.04	100	1G	Commercial Ctge. Co.
Inverlake-Drumheller	68.79	57	1G	Commercial Ctge. Co.
Camrose-Daysland	25.85	100	1G	H. G. Macdonald & Co.
Lacombe-Stettler	48.67	100	1G	Foley Bros. Ltd.
Whyte Avenue Revision	1.19	100	1G	Commercial Ctge. Co.
Edmonton-S. Cooking Lake	18.62	100	2G	H. G. Macdonald & Co.
S. Cooking Lake-5 M. W. of Tofield	15.37	100	1G	H. G. Macdonald & Co.
Vegreville-Vermilion	53.40	100	1G	H. G. Macdonald & Co.
Winterburn-Seba Corner	44.51	100	1G	H. G. Macdonald & Co.
Pincher-Waterton	31.37	100	1G	Commercial Ctge. Co.
Lacombe-Gull Lake	11.59	95	1G	Commercial Ctge. Co.

Miles 1G ..... 395.72 Miles 2 G 72.39

1G—First Course Gravel. 2G—Second Course Gravel.

SAND CLAY SURFACING

Location.	Miles	% Comp.	Contractor.
Irvine-Medicine Hat	3.68	100	E. O'Connor.
Lacombe-Gull Lake	1.00	50	F. Jackson.
	4.68 Miles		

Contracts awarded in 1929 and completed in 1930:

STANDARD EARTH GRADE

Location.	Work.	Contractor.
Pincher-Waterton Lakes	Trimming and Completing.	Russell & McLeod.

Total quantities taken out under Contract in the past year with average cost of same:

GRADING

Unit of Bid.	Quantity.	Average Cost.
Clearing and close cutting	282.60 acres	$17.63
Stumping and grubbing	111.67 acres	26.91
Earth excavation	2,020,624 cu. yds.	.1583
Loose rock	107,833 cu. yds.	.3416
Solid rock	5,703 cu. yds.	.655
Overhaul	235,409 sta. yds.	.264
Rip-rap	1,218 cu. yds.	1.53
Paving	194 cu. yds.	1.01

SURFACING

1st Course Gravel	333,454 cu. yds.	365.44 miles
2nd Course Gravel	34,462 cu. yds.	72.39 miles

AVERAGE COSTS OF SURFACING

Average cost of crushed gravel laid down	$2.02 per cu. yd.
Crushed gravel loaded to railway cars	.61.3c per cu. yd.
Crushed gravel loaded to trucks	.48.5c per cu. yd.
Haul by truck	.16.85c per cu. yd. mile

Average haul 3.85 miles.

Haul by rail $1.165 per cu. yd. Average haul by rail 52 miles.

Agreements with the Board of Railway Commissioners for Canada under the Dominion Grade Crossing Fund:

Location.	Railway Crossings Eliminated for Main Highway Traffic	Actual Cost	Estimated Grant from Grade Separation Fund
Whyte Avenue Revision	—	$ 7,811.03	$ 3,424.41
West of Dunmore, Overhead Crossing	1	9,510.85	4,804.34
Entwistle Revision, Overhead Crossing	1	18,223.82	10,934.29
Lavoy Revision	2	17,039.20	5,111.76
Bassano Revision	3	8,689.85	3,475.94
Countess Revision	2	3,558.59	711.72
		$ 64,833.34	$ 28,462.46

IMPROVEMENT OF MAIN HIGHWAYS WITHIN INCORPORATED AREAS

APRIL 1ST, 1930, TO MARCH 31ST, 1931.

Municipality of	Type	Total Cost of Work	Contribution by Province	Engineering & Supervision
Alix	G&S	$ 1,100.85	$ 550.43	
Barons	S	1,494.20	747.10	
Claresholm	G&S	588.75	294.38	135.92
Cluny	G&S	3,599.06	1,799.53	360.78
Coaldale	S	1,268.09	634.05	
Didsbury	S	1,984.75	992.38	
Gleichen	G&S	5,415.54	2,707.77	494.83
Granum	S	531.52	265.76	
Irvine	G&S	1,029.05	514.53	35.60
Lacombe	S	704.60	352.30	
Okotoks	G&S	852.40	426.20	45.41
Pincher Creek	G&S	4,857.75	2,428.87	305.62
Ranfurly	S	505.00	252.50	
Red Deer	G&S	1,063.16	531.58	
Stavely	S	1,013.05	506.53	
Stettler	S	2,750.18	1,375.09	14.32
Bentley				37.22
Botha				16.00
		$ 28,757.95	$ 14,379.00	$ 1,445.70

NOTE:—"G" stands for "Grading" and "S" for "Surfacing."

THE PROVINCE OF ALBERTA

CONSTRUCTION EXPENDITURES MADE BETWEEN 1st OF APRIL, 1930, AND 31st OF MARCH, 1931, ON MAIN HIGHWAYS

Location.	Grading	Road Surfacing	Miscellaneous	Total
Wetaskiwin-Millet	$	$	$ 365.75	$ 365.75
Irvine-Walsh	277.75	11,824.14	1,046.60	13,148.49
Irvine-Medicine Hat	27,961.19	34,704.70	20,921.57	83,587.46
Medicine Hat-Bow Island	.....	.....	42.84	42.84
Lethbridge-Chin	7,905.00	39,956.72	2,721.87	50,583.59
Chin-Taber	17,808.66	24,892.59	20,024.32	62,725.57
M. 158.61-Monarch	.....	.....	1,544.10	1,544.10
M. 173.2-Lethbridge	.....	.....	391.80	391.80
M. 246.6-M. 253.8	.....	.....	820.00	820.00
M. 245.7-Lundbreck	.....	50.00	644.80	694.80
Pincher-Lundbreck	351.40	.....	98.26	449.66
Chokio-Pincher	.....	.....	441.50	441.50
Macleod-Chokio	.....	.....	27.75	27.75
Calgary-Okotoks	.....	1,099.00	290.50	1,389.50
Okotoks-High River	.....	.....	1,078.50	1,078.50
High River-Nanton	.....	.....	310.00	310.00
Nanton-Stavely	.....	23,888.81	1,123.99	25,012.80
Macleod-Granum	.....	7,361.94	668.62	8,030.56
Granum-Stavely	.....	19,765.35	943.44	20,708.79
Cardston-Waterton River	.....	.....	104.82	104.82
Waterton River-Macleod	.....	.....	105.20	105.20
Calgary-Inverlake	.....	.....	17.00	17.00
Inverlake-13 M. E. Strathmore	.....	17,317.40	2,433.11	19,750.51
13 M. E. Strathmore-Gleichen	10.00	33,337.66	1,450.90	34,798.56
Brooks-Kininvie	.....	.....	4,143.40	4,143.40
Gleichen-Bassano	34,727.01	26,683.72	18,726.49	80,137.22
Bassano-Brooks	61,897.14	.....	42,483.27	104,380.41
Redcliff-Kininvie	.....	.....	1,927.72	1,927.72
Inverlake-Irricana	21,989.67	361.22	8,237.81	30,588.70
Irricana-10 M. N. Rockyford	27,297.45	.....	20,299.51	47,596.96
10 M. N. Rockyford-Drumheller	56,611.56	.....	26,967.17	83,578.73
Hanna-Delia	.....	.....	101.86	101.86
Munson-Delia	.....	.....	68.27	68.27
Warner-11 M. N.	.....	.....	4.50	4.50
11 M. N. Warner-Stirling	.....	118.87	46.60	165.47
Stirling-Lethbridge	.....	15.84	.....	15.84
Milk River-Inter. Bdry	.....	.....	75.00	75.00
Cochrane-M. 33.8	.....	.....	50.00	50.00
Hanna-Castor	10.00	.....	.....	10.00
5 M. N. Red Deer-Sylvan Lake	.....	.....	59.20	59.20
Wetaskiwin-Camrose	.....	.....	3,160.94	3,160.94
Camrose-Daysland	38,559.10	.....	33,906.19	72,465.29
Daysland-Strome	.....	.....	3,085.52	3,085.52
Lacombe-Nevis	.....	78,526.55	7,186.81	85,713.36
Nevis-Stettler	6,624.18	26,577.22	3,134.87	36,336.27
Stettler-Halkirk	.....	.....	1,223.98	1,223.98
Castor-Coronation	.....	250.00	326.10	576.10
Edmonton-Cooking Lake	1,542.31	24,823.44	2,482.70	28,848.45
Cooking Lake-Tofield	43,856.68	3,617.06	27,667.32	75,141.06
M. 136-M. 145.4	.....	.....	153.20	153.20
Edmonton-Fort Saskatchewan	.....	.....	710.78	710.78
Fort Saskatchewan-Lamont	.....	.....	541.25	541.25
Vegreville-Ranfurly	9,887.95	30,638.67	10,738.57	51,265.19
M. 58.2-Mundare	675.05	576.87	523.53	1,775.45
Vermilion-Lloydminster	15,930.95	.....	5,948.95	21,879.90
Ranfurly-Innisfree	1,611.80	16,111.17	1,177.10	18,900.07
Innisfree-Vermilion	1,830.77	72,123.35	1,639.35	75,593.47
Winterburn-M. 27.43	117.37	41,895.97	6,464.57	48,477.91
M. 27.43-Seba Corner	.....	62,440.71	8,504.28	70,944.99
Seba Corner-Entwistle	42,550.17	.....	22,800.43	65,350.60
Evansburg-Styal	10,141.96	.....	7,138.22	17,280.18
Legal-Clyde	.....	.....	314.90	314.90
Meanook-Rochester	.....	.....	193.15	193.15
Clyde-Rochester	.....	.....	21.00	21.00
Cardston-Waterton Lakes	.....	390.50	322.00	712.50
N.E. 8-3-29w4-Park Bdry.	13,049.19	4,600.57	2,624.17	20,273.93
N.E. 8-3-29w4-Pincher	11,562.69	27,250.12	4,700.72	43,513.53
Lacombe-Gull Lake	12,126.24	1,636.47	13,314.21	27,076.92
Edmonton-Elk Island Park	.....	.....	510.27	510.27
Gull Lake-Sylvan Lake	.....	.....	313.37	313.37
Cardston-Lethbridge	.....	.....	296.01	296.01
	$466,913.24	$632,804.95	$351,932.50	$1,451,650.69
Roads Through Towns: See Statement				15,824.70
Administration and Supplies:				
General			$ 29,401.88	
Gravel Research, Agreements and Gravel Pits			27,368.01	
Cable Guard and Fittings			2,375.93	
				$ 59,145.82
Roads Branch Salaries				7,328.11
Special Grants				367,926.99
Total				$1,901,876.31

NOTE: "Miscellaneous" includes Engineering, Treated Timber, Culverts, Timber Bridges, Compensation for Land, etc.

SUMMARY OF HIGHWAY PROJECTS CONSTRUCTED TO MARCH 31, 1931

Highway.	Grading	1st Gravel	2nd Gravel	3rd Gravel	Sand Clay	Clay Shale	Mine Earth
Edmonton-Calgary	$ 183.34	$ 183.34	$ 183.34	$ 31.44	$ 6.50	$	$ .....
Walsh-Crow's Nest	162.28	162.28	26.34	2.24	8.11	11.50	3.90
Calgary-Glacier Park	160.69	160.69	122.27	18.69	2.15	.....	.....
Calgary-Medicine Hat	152.70	69.58	16.70	.....	3.10	.....	.....
Calgary-Alsask	100.88	45.99	.....	.....	.....	.....	.....
Lethbridge-Coutts	71.65	71.65	29.28	.....	.....	.....	.....
Calgary-Banff	49.60	49.60	49.60	39.00	.....	.....	.....
Viking-Hanna	10.36	.....	.....	.....	.....	.....	.....
Red Deer-Rocky Mountain House	24.94	10.04	.....	.....	.....	.....	.....
Wetaskiwin-Hayter	50.67	50.67	.....	.....	.....	.....	.....
Lacombe-Coronation	84.35	48.67	.....	.....	2.90	.....	.....
Edmonton-Wainwright	45.07	35.18	19.81	.....	0.60	.....	.....
Edmonton-Lloydminster	173.91	130.73	11.96	.....	5.20	.....	.....
Edmonton-Styal	66.84	50.89	6.38	.....	.....	.....	.....
Edmonton-Athabasca	87.95	39.62	.....	.....	7.29	.....	.....
Athabasca-Peace River	31.43	.....	.....	.....	.....	.....	.....
Dunvegan-Grande Prairie	7.90	.....	.....	.....	.....	.....	.....
Grande Prairie-Pouce Coupe	15.85	.....	.....	.....	.....	.....	.....
Calgary-Bowness Park	4.72	4.72	3.12	.....	4.14	.....	.....
Drumheller-Wayne	7.70	7.70	4.17	.....	.....	.....	.....
Cardston-Waterton Lakes	24.77	24.77	24.77	.....	.....	.....	.....
Waterton Lakes-Pincher	31.37	31.37	.....	.....	.....	.....	.....
Lacombe-Gull Lake	11.59	11.00	.....	.....	0.50	.....	.....
Seba Beach	2.13	2.13	.....	.....	.....	.....	.....
Kipp-High River	88.86	88.86	.....	.....	.....	.....	.....
Kapasiwin Beach	2.48	2.48	.....	.....	.....	.....	.....
Gull Lake-Sylvan Lake	12.72	12.72	.....	.....	.....	.....	.....
Via Carseland-Strathmore	24.00	.....	.....	.....	.....	.....	.....
Cardston-Lethbridge	23.00	16.40	.....	.....	.....	.....	.....
Clyde-3 M. W. 5th Meridian	3.00	.....	.....	.....	.....	.....	.....
Edmonton-Elk Island Park	2.50	.....	.....	.....	.....	.....	.....
Okotoks-Turner Valley	15.00	15.00	.....	.....	.....	.....	.....
	$1,734.25	$1,326.08	$ 497.74	$ 91.37	$ 40.49	$ 11.50	$ 3.90

BRIDGES CONSTRUCTION AND MAINTENANCE

APRIL 1ST, 1930, TO MARCH 31ST, 1931.

(N. W. MACPHERSON, *Bridge Engineer*)

During the season fourteen crews were employed on bridge-work, two of these being steel crews.

The steel program included two large bridges, one over the Saskatchewan river at Brosseau, and the other over the Red Deer River, north of Buffalo, the latter being built under relief measures.

Treated timber was used on all bridges, excepting those in outlying districts away from the railroad, and where local material was available.

The following is a list of steel bridges constructed during the year:

1—100ft. span	Rosebud River	On 22-27-21w4.
1—100ft. "	Spring Coulee	On 29-4-23w4.
1—70ft. "	Nose Creek	35/36-25-1w5.
2—70ft. spans	Elbow River	On 29-22-6w5.
1—60ft. span	Ross Creek	W. 31-11-2w4.
1—50ft. "	Ross Creek	On 34-11-3w4.
1—66ft. "	Rosebud River	28/29-29-28w4.
1—70ft. "	Dogpound Creek	15/22-30-3w5.
4—200ft. spans	Red Deer River	22-5/6w4.
1—125ft. span	Driftpile River	On 8-73-12w5.
1—50ft. skew	Spotted Creek	On 33-40-22w4.
1—80ft. span	Lobstick River	On 30-53-7w5.
1—60ft. "	Strawberry Creek	N. 32-48-3w5.
1—80ft. "	Poplar Creek	S. 3-48-4w5.
1—80ft. "	Strawberry Creek	5/6-50-1w5.
4—250ft. spans	Saskatchewan River	S. 4-55-12w4.
1—50ft. span	Bull Head Creek	16-12-5w4.
2—100ft. spans	Beaver River	On 27-62-5w4.
1—80ft. span	Burnt River	21/22-76-6w6.
1—80ft. "	Beaverlodge River	11/12-73-11w6.
1—80ft. "	Beaverlodge River	On 30-72-10w6.
1—80ft. "	Burnt River	On 25-77-5w6.
1—125ft. "	Hotchkiss River	11/12-93-23w5.
1—100ft. "	Little Bow River	On 32-13-23w4.
1—80ft. "	Paddle River	W. 31-58-5w5.
1—125ft. "	Paddle River	E. 13-59-3w5.
1—80ft. "	Paddle River	W. 7-59-4w5.
1—125ft. "	Blindman River	S. 2-42-2w5.
1—40ft. "	Prairie Creek	On 31-50-25w5.
1—50ft. "	Irrigation Canal	S. 34-55-12w4.
1—50ft. "	Burberry Creek	10/11-33-6w5.
1—50ft. "	Dogpound Creek	W. 19-28-4w5.
1—60ft. "	Dogpound Creek	S. 3-32-3w5.
1—60ft. "	Weed Creek	35/36-49-28w4.
1—125ft. "	Swan River	7/8-72-9w5.
4—175ft. spans	Old Man River	At Taber

During the season the following bridges were dealt with:

Construction	529
Maintenance	131
	600

SURVEYS BRANCH

Report for the Fiscal Year ending March 31, 1931.

(P. N. JOHNSON, *Director of Surveys*)

Field work has been continued as in previous years, primary consideration being given to surveys of main highways. The number of surveyors employed has remained the same.

The work in the office has increased very largely during the year. Early in the year, in order to overcome the difficulty of owners of land having to wait until title to roadways was received before being paid compensation, which was in some cases under present economic conditions working a hardship on a number of owners, a system was introduced of filing caveats against the property affected and paying compensation in accordance with the agreements received. Some 108 caveats were filed in connection with this work. During the past year 485 plans were submitted on behalf of Municipal Districts and examined, whereas last year only 267 were examined.

This year 605 titles for roadways surveyed by Municipal Districts were received as against 236 last year. The number of our own plans prepared and filed in the Land Titles Office shows also a marked increase, there being 410 this year against 284 last year, and naturally the number of Certificates of Title received from our own road plans has almost doubled, being 491 against 292 of the previous year.

Various items covered in the work of this branch of the department:

Surveys required and brought forward from 1929	391
Surveys asked for during 1930	400
Surveys made during 1930	236
Surveys carried over to 1931	586
Plans submitted and examined on behalf of M.D.'s	485
Titles issued to roadways surveyed by M.D.s	605
Plans prepared and filed in Land Titles Office	410
Certificates of Title received for roadways	491
Certificates of Title received for lands given for public purposes under Departmental regulations as to subdivisions	80
Certificates of Title to public buildings	14
Transfers issued covering lands no longer required	509
Number of plans of subdivisions approved during 1930	72
Plans submitted by Department of Interior (Irrigation Branch)	19
Plans of Power and Transmission Lines	28
Vouchers issued for compensation	867
Leases of road allowances in force	318
Leases of road allowances applied for	146
Caveats issued	108

BUILDINGS MAINTENANCE BRANCH

Report for the Fiscal Year Ending March 31st, 1931

(D. E. McDonald, *Superintendent of Buildings*)

Capital Expenditure

Administration Building, Edmonton:

Plans for the above building were prepared in our drafting office during the latter part of 1929, Professor Burgess, of the University of Alberta, acting as consulting architect. Tenders were called for in December, 1929, and the contract awarded in January, 1930, to H. G. Macdonald, general contractor, Edmonton, who was the lowest bidder. The plumbing contract was awarded to J. P. Fitzgerald, Edmonton, and the electric wiring contract to the North-West Electric Company, Edmonton. Work was immediately started on the building and carried on continuously until the building was completed and occupied in March, 1931. The total cost of building, $950,000.

Court House, Red Deer:

Plans for this building were prepared in our drafting room and tenders called for in May, 1930. Contract for this building was awarded to J. P. Desrochers, general contractor, Edmonton; the plumbing and heating contract to J. P. Fitzgerald, Edmonton; and the electric wiring contract to the North-West Electric Company, Edmonton. Work was started on June 1st, 1930, and the building was officially opened by the Premier, on March 9th, 1931. This building is a very fine type of building for its class, is fireproof constructed throughout, tapestry brick walls and Tyndall stone trimmings. The total cost, $91,000.

Court House, Vegreville:

Plans were prepared for this building and tenders called for the 1st of August, 1930, and contract awarded to Messrs. Foote & Allan, general contractors, Edmonton; the plumbing and heating contract to R. P. Spies, Vegreville, and the electric wiring contract to the North-West Electric Company, Edmonton. Work was immediately started on this contract and the building was officially opened on April 7th, 1931. This is a semi-fireproof building, brick walls and wooden joists. Cost of building, $54,000.

Provincial Mental Institute, Oliver:

A new dining hall and kitchen was erected at this point, at a cost of $93,000; a new house for the bursar at a cost of $6,000, and a new cottage for the septic tank operator at a cost of $3,000.

Provincial Mental Hospital, Ponoka:

There were no large contracts carried out at this institution during the past season. The refractory ward, which was under construction, was completed; fire lines were laid around the institution buildings for better fire protection; various small cottages and buildings were built around the farm. Total expenditure, $144,469.

Provincial Training School, Red Deer:

Construction work at this institute, this year, consisted of the erection of a new laundry building, a new heating plant and tunnel connecting up the heating plant with old buildings. Total expenditure for buildings, equipment, etc., $66,309.

Provincial Police Buildings:

The following buildings were erected during the season: Detachment building at Coutts with sufficient accommodation to provide for constables, if necessary. Cost of building, $9,000. A cottage type for the detachment at Irvine at a cost of $4,500.

Liquor Vendor's Store:

A store building was erected at Coronation at a cost of $8,888.12.

Provincial Gaol, Fort Saskatchewan:

The construction of various small buildings was carried out by prison labour under the supervision of our general foreman. In September, 1930, we decided to proceed with the erection of a wing for male prisoners. Work was immediately started and carried on through the season, practically all prison labour being employed on this work. The building is nearing completion and will be ready for occupation about the 1st of July. The building is constructed of reinforced concrete throughout, has terraza floors in cells and corridor spaces. When the building is completed it will compare very favorably with any institution of this kind in the Dominion.

Provincial Gaol, Lethbridge:

A new dining hall, together with refrigerator rooms, bakery, etc., was erected at this institution during the last season. This work was carried out under the supervision of our general foreman with the assistance of prison labor. This is a very fine, up-to-date type of building and gives adequate accommodation for the feeding of a large number of prisoners at the institution.

Carpenter Shop:

This branch has been very busy during the entire season making the furnishings for the Administration Building and the different court houses and institutions throughout the Province.

A crew of eighteen men has been employed continuously in the shop during the season. This branch of our work has proved of great convenience in the handling of furnishings and equipment for the different buildings and also a great saving in the cost of supplying same.

Grounds:

A lot of labour has been carried out by our gardener, Mr. E. J. Stowe, both in connection with the grounds at the Parliament Buildings and the Government House. He has also had charge of laying out and grading of the grounds at the Normal School, Edmonton, and the Court House grounds at Hanna. Our greenhouses at the Parliament Buildings and the Government House have proved quite a source of revenue as we have shipped plants as far north as Grande Prairie and south to Blairmore and to most all intervening points, supplying the Court Houses, Alberta Provincial Police buildings, schools, gaols, etc. This makes for quite a saving, as it would cost con-

siderably if we had to go to the open markets and purchase our plants. Since we have adopted this scheme of shipping plants, it has tended to beautify the grounds around the different buildings in the Province and gives an incentive to the caretakers to take more interest in their work.

CAPITAL EXPENDITURE

Furnishings and Additions, Legislative Buildings	$ 33,576.35
Furnishings and Additions, Public Institutions	35,985.64
Agricultural Schools	11,068.73
Institute of Technology, Calgary	4,425.15
Provincial Police Buildings	29,980.77
Administration and Parliament Buildings	864,889.64
Normal School, Edmonton	57,955.47
Provincial Mental Institute, Oliver	148,733.21
Provincial Mental Hospital, Ponoka	144,469.17
Provincial Gaol, Fort Saskatchewan	133,858.47
Central Alberta Sanatorium, Keith	13,952.27
Provincial Gaol, Lethbridge	37,459.28
Miscellaneous Buildings	285,756.50
University Hospital (Extension)	121,647.70

MAINTENANCE OF BUILDINGS

This work is rapidly increasing as the number of new buildings under our supervision is being increased from year to year. A considerable amount of work has been done in connection with the renovating and painting of public buildings.

MAINTENANCE EXPENDITURE

Departmental and Legislative Buildings	$442,584.40
Public Institutions	95,616.90
Government House	20,815.26
Power Plants	223,113.96

POWER PLANTS

(JOHN DOUGLAS, *Mechanical Superintendent*)

Considerable extra work was entailed on short notice this year in taking over and laying out work in connection with the new boiler room, etc., at Red Deer Provincial training school.

Increased demands have been made on all the plants. In some instances, particularly in electrical generation, increase in electrical energy consumption amounted to 77% and 25% respectively at two plants.

Uncontrollable expenses such as building repairs, repairs to railway spur-tracks, etc., have been higher than usual. Operating economies that have been inaugurated were practically offset by increased service demands, excepting at the Keith Sanitarium and the Institute of Technology, where distinct savings have been affected.

The assistance given by Dr. Kelso, the Provincial Government Analyst, regarding the different problems of the plants relating to analysis of water, ash, coal, etc., enabling the department to decide on equipment for the different institutions, has been greatly appreciated.

An outline of the work at the various institutions follows:

Fort Saskatchewan Gaol:

Greatly increased current consumption is noticeable at this plant viz., 245,980 k.w. hours as compared with 238,880 the previous year.

Extra heating was required for the construction of the new cell block, live steam being supplied besides for the sand, gravel, and concrete.

The capital expenditure of $500 for lathe and power drill has been about repaid in work. Maintenance and operation cost increased by $849.03 over last year, mainly in coal.

Oliver Mental Institute Power Plant:

The demands on this plant for both heating and power increased very considerably during the year.

Coal cost increased $754.07 over the previous year.

The k.w. hours generated increased from 368,550 to 463,240 over 25% increase.

Owing to the high winds during the spring, the 2,300-volt line supplying the farm and poultry barns was damaged. The interruption was not long enough to cause any serious inconvenience to this branch.

A capital expenditure of approximately $4,703 was made at the plant.

Total operating and maintenance costs show a decrease of $85.25 as compared with last year.

Parliament Buildings Power Plant:

This plant gave satisfactory service. A very noticeable increase in the operating cost is shown amounting to $2,063.72 over the previous year.

The actual cost of coal, handling, and freight increased over last year by $2,328.14, due mainly to supplying heat to the new Administration Building.

A total of 646,450 k.w. hours was consumed in the main building, terrace building, and carpenter shop. Of this amount, 479,330 were generated at the plant and 167,120 k.w. hours purchased.

It is interesting to note that the total electrical energy used is over half of the total electrical production at Ponoka.

Ponoka Mental Hospital Power Plant:

The services demanded from this power plant have increased over any previous year. Some 60,000 gallons of hot water is used at this institution some days, and an average of 48,000 gallons per day for the year, over and above the water that is heated by steam in the laundry, etc. The hot water consumption alone approximates the total cold water consumption of the city of Wetaskiwin.

Total k.w. hours generated was 1,070,845. This amount exceeds considerably the current used by the city of Red Deer for the year.

Total operating and maintenance costs show an increase of $805.11 over the previous year.

Provincial Training School, Red Deer, Power Plant:

A new boiler house was built, and a tunnel from pump pit approximately 600 ft. long was constructed, and led into the old boiler room in main building. This has materially lessened the fire hazard.

Institute of Technology and Art:

During last fall the water supply was very unsatisfactory, failing completely on two occasions and necessitating closing the school. The room originally designed for condenser water was filled with water and used as a standby. The steam booster pump had to be almost continuously operated to keep the pressure to top floor. This added to our fuel costs.

Light and Power:

Current consumed during the year totalled 129,000 k.w. hours. of which 84,200 was purchased from the city of Calgary at a cost of $1,734. The balance of 44,800 was generated by the plant when exhaust steam could be utilized. Live steam at varying pressures is supplied when required to the steam testing shop, vulcanizing shop, model engine room, and cafeteria.

During July and August the Jones underfeed stokers were removed from one boiler and natural gas installed. The other boiler is used as a standby in case of a failure of gas, and is also used for hand-firing instruction for the pupils. The change has been satisfactory both from an operating and an expense point.

The capital expenditure for installation of gas, water softener and engine room amounted to approximately $5,386.71.

Decrease in operating and maintenance costs this year as compared with last year amounts to $2,658.40.

Central Alberta Sanitarium Power Plant:

The operation at this plant during the year has been satisfactory. It had been decided to construct a filtration basin and reservoir, owing to the erratic water levels in the Bow river, and to the fact that the watercourse was receding from the Sanitarium, thus en-

dangering fire protection and all services. On checking the results of piers built by the city on the south side of the river and the satisfactory level maintained in the channel a pump house was built at the river, and a tunnel from below the administration building to the pump house, approximately 120 feet., as this could be done considerably cheaper than constructing a reservoir.

Gas was installed under the two boilers, in the kitchen, laboratory, and two dwellings. Standby oil burners and fuel pump installed.

The two discarded boilers from the Oliver Power Plant were installed as containers for standby oil fuel.

New tunnels, approximately 650 feet, were installed west of infirmary No. 1 and service lines laid.

A brick incinerator house with cement slab roof was built to replace the wooden structure which was almost destroyed by fire.

The total capital expenditure amounted to approximately $28,019 including service building elevator, frigidaire installation, X-Ray, etc.

Total operating and maintenance costs show a decrease of $3,593.58 as compared with last year.

Lethbridge Gaol:

Satisfactory service has been given at this plant.

Costs over previous year have increased by $1,169.84, due mainly to extra heating for new building.

No capital expenditure.

LICENSES ISSUED UNDER THE PUBLIC VEHICLES ACT

(W. T. AIKEN, *Chief Clerk*)

Name of Operator.	Address and Route.
Blue Bus Lines Limited	Calgary ..... Calgary-Turner Valley
Brewster Transport Company Limited	Banff ..... Calgary-Banff
Brewster Transport Company Limited	Banff ..... Calgary-Claresholm
Central Canadian Greyhound Lines Ltd.	Calgary..Calgary-Lethbridge via Macleod
Central Canadian Greyhound Lines Ltd.	Calgary .. Calgary-Lethbridge via Vulcan
Central Canadian Greyhound Lines Ltd.	Calgary ..... Edmonton-Calgary
Central Canadian Greyhound Lines Ltd.	Calgary ..... Macleod-Cardston
Central Canadian Greyhound Lines Ltd.	Calgary ..... Macleod-Crow's Nest via .... Pincher Creek
Central Canadian Greyhound Lines Ltd.	Calgary ..... Cardston-Waterton
Central Canadian Greyhound Lines Ltd.	Calgary ..... Red Deer-Sylvan Lake
John Collins	9546 109th Ave., Edmonton..... Edmonton-Athabasca
Drumheller Bus & Taxi Company	Drumheller..Drumheller-Nacmine-Wayne.
Robert J. Duncan	Calgary ..... Calgary-Gleichen
W. D. Duncan	Coronation ..... Lacombe-Stettler
A. Erickson and R. E. Brown	Westlock ..... Edmonton-Smoky Lake
Lorne Frizzell	15 Cattistock Blk., Edmonton..... Edmonton-Cooking Lake
Lorne Frizzell	15 Cattistock Blk., Edmonton..... Edmonton-Vegreville
Glacier Park Transport Company	Glacier Park, Montana..... Carway-Waterton Park via Cardston
J. Victor Horner	10005 103rd St., Edmonton..... Edmonton-Barrhead
Hector F. Jette	Pincher Creek..... Pincher Creek-Pincher Station
Dewitt T. Johnson	Lethbridge ..... Lethbridge-Coutts
William R. Melton	Rocky Mountain House..... Rocky Mountain House-Red Deer
Wilfred Poxon & Son	Carbon ..... Calgary-Drumheller
Wilfred Poxon & Son	Carbon ..... Carbon-Beiseker
Clifford J. Smith	Fallis ..... Edmonton-Evansburg
Western Bus Lines Limited	Calgary ..... Lethbridge-Medicine Hat

PROVINCIAL GAOL, FORT SASKATCHEWAN

(J. D. McLEAN, *Warden*)

The daily average population for the fiscal year was 304.2, being an increase of 40.2 over the previous year.

The general health of the inmates has been excellent.

On the C.N.R. farm, 123 acres of wheat gave a yield of 3,795 bushels and 7 acres of oats, a yield of 325 bushels.

On the south farm, 119 acres of wheat yielded 4,975 bushels, 21 acres of oats yielded 1,771 bushels and 50 acres of barley a yield of 480 bushels.

On the home farm, 280 bushels of barley were raised from 20 acres.

In addition we raised 5,236 bushels of potatoes from the C.N.R. farm and 300 bushels from the home farm; 300 bushels of carrots, 500 bushels of turnips, 150 bushels of beets and 15 bushels of parsnips were also raised from the C.N.R. farm.

Our revenue for the year is again considerably reduced owing to the very dry season, only one small payment for wheat having been received.

The new wing that has been added to the cell block, containing 101 cells, is now nearly completed and will relieve the congestion that has been experienced for several years.

Additional building construction, included the following: Reinforced concrete wall was built around female gaol, two green houses 25 ft. x 50 ft. and 16 ft. x 36 ft. and one potting house, one store room.

Three dormitories were painted and finished in white enamel.

ANNUAL REPORT PROVINCIAL GAOL, FORT SASKATCHEWAN, ALBERTA
MARCH 31st, 1931.

Administration	$ 58,848.00	
Maintenance	4,267.61	
Operation	19,377.13	
Gross	$ 82,492.74	
Less Revenue	9,033.45	
	$ 73,459.29	
Average Daily Population	304.2	
Per Capita Cost Per Prisoner Per Day	.743	Gross
Per Capita Cost Per Prisoner Per Year	271.195	Gross
Net Per Capita Cost Per Day	.6616	Net

PROVINCIAL GAOL, FORT SASKATCHEWAN

ANNUAL REPORT OF PRISONERS FOR THE YEAR ENDING MARCH 31st, 1931

MALE

Month.	Admitted. Comm.	Admitted. Sent	Discharged. Comm.	Discharged. Sent
April, 1930	26	89	24	96
May	45	151	38	109
June	30	77	43	98
July	20	100	19	100
August	22	73	23	98
September	21	71	25	72
October	19	157	20	107
November	17	144	17	118
December	14	132	11	128
January, 1931	36	133	35	108
February	37	91	23	103
March	31	91	45	123
	318	1,309	323	1,260

Total number of Male Prisoners Admitted	1,627
Total number of Male Prisoners Discharged	1,583

	Comm.	Sent.
Male Prisoners in Gaol March 31st, 1930	21	188
Male Prisoners Admitted during year ending March 31st, 1931..	318	1,309
	339	1,497
Male Prisoners Discharged during year ending March 31st, 1931	323	1,260
Male Prisoners in Gaol March 31st, 1931	16	237
Total number of Prisoners in Gaol March 31st, 1931		253

DISCHARGES DURING THE YEAR ENDING MARCH 31st, 1931

Time Expired	1,057
Released for Trial	272
Released on Parole	46
Deported	39
Released on Bail	28
Released: Fine Paid	24
Transferred to Prince Albert Penitentiary	23
Transferred to Alberta Provincial Police	18
Released by Order of Immigration Dept.	18
Released by Order of Dr. Orr	13
Released as Witness	14
Released by Order Attorney General's Dept.	10
Transferred to Hospital	8
Transferred to Ponoka Asylum	4
Escaped from Custody	4
Conviction Quashed	3
Released on Suspended Sentence	1
Executed	1
Total	1,583

ANNUAL REPORT OF PRISONERS FOR THE YEAR ENDING MARCH 31st, 1931

SENTENCED PRISONERS ADMITTED

RELIGION

Roman Catholic	431	Pentecostal	2
Greek Catholic	150	Mennonite	6
Greek Orthodox	31	Seventh Day Adventist	6
Lutheran	146	Salvation Army	4
Presbyterian	150	Central Christian Church	1
Methodist	61	Bible Student	2
Baptist	34	Evangelist	2
Congregational	2	Christian Science	3
United	73	Jewish	3
Church of England	128	Chinese	1
Church of Christ	1	No Church	62
Reform Church	6		
Four Square Gospel	3		1,309
Latter Day Saints	1		

COUNTRY OF BIRTH

Canada	558	Switzerland	12
U. S. A.	103	Norway	23
England	92	Sweden	25
Scotland	57	Finland	12
Ireland	33	Iceland	1
Wales	10	Russia	41
Germany	26	Poland	77
Austria	156	Lithuania	2
Roumania	13	Jugo-Slavia	2
Ukrania	8	Bohemia	1
Hungary	13	Newfoundland	1
France	3	Peru	1
Italy	2	South America (Argentine)	1
Belgium	4	India	2
Holland	3	Australia	2
Greece	1	China	3
Serbia	1	Isle of Man	1
Syria	1		
Denmark	13		1,309

CIVIL STATE

Married	434	Divorced	11
Single	818		
Widowers	46		1,309

AGES

Under Twenty Years	133	Sixty to Seventy	39
Twenty to Thirty	494	Over Seventy	10
Thirty to Forty	318		
Forty to Fifty	209		1,309
Fifty to Sixty	106		

SENTENCES

Under Thirty Days	227	One Year to Eighteen Months	49
Thirty Days to Two Months	450	Eighteen Months to Twenty-three Months	15
Two Months to Three Months	165	V.D. Indefinite	10
Three Months to Four Months	173	Suspended Sentence	1
Four Months to Six Months	45		
Six Months to Nine Months	146		
Nine Months to One Year	28		1,309

SENTENCED PRISONERS DISCHARGED

REMISSIONS

Number of Prisoners Receiving Full Remission	856
Number of Prisoners Receiving Part Remission	32
Number of Prisoners Not Entitled to Remission or Fines Paid	377
	1,265
Number of Days Remission Earned During Year Ending March 31st, 1931	8,132
Number of Prisoners Participating	887
Average Number of Days' Remission Per Man	9.167

CRIMES

AGAINST RELIGION AND MORALS

Vagrancy	159	Unlawfully Using Insulting Language	1
Bigamy	5	Unlawfully Creating a Disturbance	1
Carnal Knowledge	3	Inmate of a Bawdy House	4
Indecent Act	4	Buggery	1
Child's Welfare Act	1		
Children's Protection Act	6		
Juvenile Deliquency Act	5		
Juvenile Act	5		195

AGAINST THE PERSON

Assault	59	Robbing While Armed	3
Assault Causing Grevious Bodily Harm	17	Non-Support	5
Indecent Assault	5	Murder	1
Failure to Provide for Wife and Children	11	Attempt to Commit Suicide	2
Giving Liquor to An Indian	1	Unlawfully making Threats	3
Threatening to Shoot	3	Unlawfully Prosecuting	1
			111

AGAINST PUBLIC LAW AND ORDER

Falsely Representing a Peace Officer	1	Failure to Supply Bonds to keep the Peace	1
Illegal Possession of Fire-arms	10	Failure to provide a recognizance to Keep the Peace	1
Carrying Concealed Weapons	1	Escaping Custody	3
Obstructing a Peace Officer	7	Causing a Disturbance	7
Perjury	5	Conspiracy	2
Riotous	2	Assisting Persons to Escape	1
Resisting Arrest	2	Breach of Ticket-of-Leave	1
Unlawful Assembly	2		
Causing an Obstruction in the Street	1		47

AGAINST PROPERTY

Breaking, Entering, and Theft	31	Unlawfully Killing Cattle	1
Attempted Breaking and Entering	4	Receiving Stolen Goods	5
Arson	2	Possession of Stolen Goods	12
Attempted Arson	4	Possession of Stray Mare	2
Theft	207	Unlawfully Destroying	5
Theft of Grain	1	Wilful Damage	5
Theft of Stock	3	Conversion	7
Theft of Motor Car	15	Fraudulently Obtaining Food and Lodgings	15
Forgery	9	Allowing Hogs to run at large	1
Uttering	9	Accessory after the fact of Theft	1
Forgery and Uttering	7	Allowing Fire to Pass from Land	2
False Pretences	46		
Fraud	5		402
Damage to Property	3		

AGAINST ANY OTHER ACT

Liquor Act	326	Railroad Act	143
Highway and Vehicle Act	39	Trespass on Indian Reservation	2
Game Act	20	Failure to Procure a Dog License	1
Humane Act	3	Masters and Servants Act	1
School Act	1		
V. D. Act	12		554
Domestic Animal Act	6	Crimes Sum Total	1,309

FEMALES

	Admitted.		Discharged.	
	Comm.	Sent	Comm.	Sent
April, 1930	5	11	5	14
May	2	10	0	6
June	0	11	2	13
July	1	11	1	8
August	2	7	1	6
September	2	13	3	16
October	2	17	0	15
November	1	15	2	13
December	1	15	0	11
January, 1931	3	16	4	20
February	0	9	0	12
March	1	8	2	15
	20	143	20	149

Total number of Female Prisoners Admitted 163
Total number of Female Prisoners Discharged 169

	Comm.	Sent.
Female Prisoners in Gaol March 31st, 1930	0	28
Female Prisoners Admitted during Year Ending March 31st, 1931	20	143
	20	171
Female Prisoners Discharged during Year Ending March 31st, 1931	20	149
Female Prisoners in Gaol March 31st, 1931	0	22

Total Number of Female Prisoners in Gaol March 31st, 1931 22

DISCHARGES DURING THE YEAR ENDING MARCH 31st, 1931.

Time Expired	117
Released: Fines Paid	3
Released on Bail	0
Released as Witness	4
Released on Parole	3
Transferred to Department of Neglected Children	2
Released by Order of Immigration Department	1
Released by Order of Dr. Orr	7
Released by Order of Attorney General's Department	1
Deported	5
Transferred to Alberta Provincial Police	1
Transferred to Ponoka Asylum	3
Transferred to Prince Albert Penitentiary	1
Transferred to Hospital	3
Transferred to Provincial Training School	1
Released for Trial	17
Total	169

RELIGION

Roman Catholic	76	Evangelist	2
Presbyterian	17	Christian Science	1
Lutheran	10	Anglican	21
Methodist	6	Jewish	2
Baptist	3		143
United	5		

COUNTRY OF BIRTH

Canada	84	Denmark	1
U. S. A.	20	Norway	1
England	8	Sweden	1
Scotland	4	Russia	5
Ireland	4	Poland	5
Wales	1	Isle of Man	1
Austria	4	France	1
Italy	1		143
Belgium	2		

CIVIL STATE

Married	76	Widows	13
Single	54		143

AGES

Under Twenty Years	22	Sixty to Seventy	4
Twenty to Thirty	54	Over Seventy	3
Thirty to Forty	38		143
Forty to Fifty	18		
Fifty to Sixty	4		

SENTENCES

Under Thirty Days	3	One Year to Eighteen Months	2
Thirty Days to Two Months	44	Eighteen Months to Twenty-three Months	1
Two Months to Three Months	26	Suspended Sentence	1
Three Months to Four Months	36		143
Four Months to Six Months	10		
Six Months to Nine Months	19		
Nine Months to One Year	1		

CRIMES

AGAINST RELIGION AND MORALS

Vagrancy	39	Inmate of a Bawdy House	6
Keeping a Disorderly House	6	Exposing to View Photographs contributing to Corrupt Morals	1
Children's Protection Act	3		65
Juvenile Delinquency Act	4		
Keeping a Bawdy House	6		

AGAINST THE PERSON

Assault Causing Grievous Bodily Harm	2	Communicating Venereal Disease	1
Attempt to Commit Suicide	1		4

AGAINST PROPERTY

Theft	22	Fraudulently Obtaining Food and Lodgings	1
Forgery	1	Damaging Window	1
Uttering	1		28
False Pretences	1		
Possession of Stolen Goods	1		

AGAINST PUBLIC LAW AND ORDER

Perjury	2
	2

AGAINST ANY OTHER ACT

Liquor Act	40	Trespassing on Indian Reservation	1
Highway and Vehicle Act	1		
Venereal Disease Act	1		41
		Crimes, Sum Total	143

SENTENCED PRISONERS DISCHARGED

REMISSIONS

Number of Prisoners receiving Full Remission	115
Number of Prisoners receiving Part Remission	3
Number of Prisoners not entitled to Remission or Fines Paid	31
	149
Number of Days Remission earned during the Year Ending March, 1931	1,033
Number of Prisoners Participating	121
Average number of Days' Remission per Woman	8.537

PROVINCIAL GAOL, LETHBRIDGE

(W. G. EDGENTON, *Warden.*)

The daily average population for the fiscal year ending March 31st, 1931, was 193.84, as compared with 160.14 for the fiscal year ending March 31, 1930, showing an increase of 33.70.

The building operations and general improvements consist of the following: Erection of one root house and dining hall, including kitchen, bake shop and cold storage plant.; erection of exercise yard wall and execution chamber; installation of one driveway light, set in cement standard, and construction of cement curb circling flower bed; balance of concrete floor laid in garage; old kitchen renovated for use as a dormitory and erection of shelves in old dining room for use as storage room for prisoners' clothing; all cottages re-decorated and warden's house painted; storm doors and windows supplied to five cottages.

Farm operations were as follows:

	No. of Acres	No. of Bushels
Wheat	160	4,010
Oats	70	3,100
Barley	3	70
Peas	9	200
		No. of Tons
Ensilage	...	260
Hay	280	600
Potatoes	34	210
Sugar Beets	23	292
Mangolds	5	110
Other Vegetables	...	41

ANNUAL REPORT PROVINCIAL GAOL, LETHBRIDGE, ALBERTA
MARCH 31st, 1931.

Administration	$ 64,659.90
Maintenance	3,647.56
Operation	15,498.94
Gross	$ 83,806.40
Less Revenue	17,931.62
	$ 65,874.78
Average Daily Population	193.84
Per Capita Cost Per Prisoner Per Day	$ 1.1813 Gross
Per Capita Cost Per Prisoner for Year	431.1745 Gross
Net Per Capita Cost Per Day	.9226 Net

NUMBER OF PRISONERS ADMITTED AND DISCHARGED DURING 1930-31

Month	Daily Average	Admitted Sent.	Admitted Comm.	Admitted Rem.	Discharged Sent.	Discharged Comm.	Discharged Rem.
On hand at close last statement		186	5	1	...	..	..
April	179.40	123	9	7	128	7	5
May	183.64	120	4	9	148	4	10
June	168.33	113	3	6	82	4	7
July	190.83	133	7	6	112	1	8
August	168.31	84	12	4	114	4	3
September	187.75	120	8	9	82	9	7
October	213.42	154	8	4	132	9	6
November	214.03	136	4	6	138	16	3
December	214.61	109	7	4	106	2	6
January	224.67	100	9	8	108	14	7
February	203.93	70	12	12	96	7	14
March	177.23	101	5	4	93	16	2
Totals		1,549	93	80	1,369	93	78

Total number of Prisoners Admitted during Year 1930-31.....1722
Total number of Prisoners Discharged during Year 1930-31.....1549

	Sent.	Comm.	Rem.
Number of Prisoners in Gaol on March 31st, 1930	186	5	1
Number of Prisoners Admitted during Year 1930-31	1363	88	79
Total	1549	93	80

Number of Prisoners Discharged during Year 1930-31	1369	93	78
Number of Prisoners in Gaol on March 31st, 1931	180	0	2

Number of Prisoners who have served previous sentences	625
Number of Days' Remission earned during Year 1930-31	11,729
Number of Prisoners Participating	1,117
Average number of Days' Remission per Prisoner	10.5

NATIONALITIES

BRITISH

Canada	791	New Zealand	1
England	188	Malta	2
Ireland	69	Isle of Man	2
Scotland	131	Newfoundland	2
Wales	21	Straits Settlements	2
India	4		
Channel Islands	1		1,214

FOREIGN

United States	177	China	12
Roumania	11	Germany	37
Mexico	1	Czecho-Slovakia	21
Sweden	25	Belgium	2
Norway	31	Italy	12
Russia	32	Poland	26
Denmark	25	Switzerland	21
Austria	35	Holland	9
Finland	6	Japan	2
France	2		
Ukrania	2		508
Hungary	19		

Total British	1,214
Total Foreign	508
	1,722

SENTENCES

Under Thirty Days	422	Eighteen Months to Twenty-three Months	15
Thirty Days to Two Months	578	Two Years Less One Day	4
Two Months to Three Months	299	Held Pending Appeal	4
Three Months to Four Months	24	Death Penalty to Appeal	1
Four Months to Five Months	11	Death Penalty to Life Imprisonment	1
Five Months to Six Months	89	Death Penalty	3
Six Months to Nine Months	31	Committed	93
Nine Months to One Year	1	Remanded	80
One Year	61		1,722
One Year to Eighteen Months	4		

DISCHARGES

Expiration of Sentence	1,212	Released on Appeal	1
To Court	171	Released by Order Lieutenant Governor	1
Deported	32	To B.C. Police Escort	1
Handed to A.P.P. Escort	30	Released on Bonds Pending Appeal	1
To Galt Hospital, Lethbridge	6	By Order Attorney General	2
Paroled	17	To R.C.M.P. Escort	2
Escaped	2	From Galt Hospital	1
Fines and Costs Paid	34	Released on Bail	5
By Order Immigration Department	8	To P.A. Penitentiary	2
Released Pending Parole	1	To Appeal Court	1
To Ponoka	8		1,540
Sentence Suspended on Appeal	1		
By Order Gaol Doctor	1		

SUNDRY STATISTICS

CIVIL STATE

Married	351	Divorced	6
Single	1,300		1,722
Widowers	55		
Separated	10		

AGES

Under Twenty	267	Sixty to Seventy	35
Twenty to Thirty	617	Over Seventy	8
Thirty to Forty	395		1,722
Forty to Fifty	276		
Fifty to Sixty	124		

Prisoners able to read and write	1,708
Prisoners unable to read and write	14
	1,722

CRIMES

AGAINST RELIGION AND MORALS

Vagrancy	264	Keeper of a Bawdy House	2
Indecent Act	5	Bigamy	1
Contributing to Child Delinquency	3	Living on the Avails of Prostitution	1
Inmate of a Bawdy House	3		
Incest	2		289
Buggery	2		
Carnal Knowledge and Attempted	6		

AGAINST THE PERSON

Murder	6	Wife-beating	1
Attempted Murder	2	Seduction	4
Assault	18	Rape	2
Causing Grievous Bodily Harm	22	Defamatory Libel	1
Non-Support	10	Assaulting Police	5
Indecent Assault	8	Attempted Suicide	1
Uulawfully Wounding	2		109
Robbery with Violence	24		
Assault with Intent to Rob	3		

AGAINST PROPERTY

Theft	267	Cattle-stealing	15
Fraud	1	Uulawfully Receiving	3
Arson	11	Taking Car Without Owner's Consent	9
False Pretences	58	Unlawful Possession of Firearms	8
Breaking, Entering and Theft	80	Wilful Damage	6
Conspiracy and Attempt to Defraud	4	Beating Board	29
Receiving Stolen Property	9	Drunk in Charge of a Car	1
Possession of Stolen Goods	3	Forgery	31
Possession of House-breaking Tools	3		543
Fraudulent Conversion	5		

AGAINST OTHER ACTS

Violation of the Liquor Act	408	Perjury	5
Violation of the Railway Act	268	Causing a Disturbance	9
Violation of the Animal Act	2	Unlawful Assembly	2
Violation of the Immigration Act	3	Resisting Arrest	2
Violation of the Motor Vehicle Act	16	Bribing a Police Officer	1
Violation of the Inland Revenue Act	4	Pointing Firearms	1
Violation of the Indian Act	36	Falsely Representing a Police Officer	1
Violation of he Drugs Act	12	Desertion from Army	1
Violation of the Game Act	6		781
Violation of the V.D. Act	1		
Violation of the Excise Act	3	Sum Total of Crimes	1,722

ANNUAL REPORT OF GAOL SURGEON

APRIL 1st, 1930, TO MARCH 31st, 1931, INCLUSIVE

Number of Visits made to Gaol	156
Number of Prisoners Attended	2,723
Number of Prisoners Transferred to Galt Hospital	15
Number of Prisoners Transferred to Calgary General Hospital	1
Number of Operations in Galt Hospital	7
Number of Prisoners Transferred to Ponoka	8
Number of Prisoners Died in Galt Hospital	Nil
Number of Prisoners Died in Prison Hospital	Nil

CLINIC CASES

Number of Prisoners' Blood Tests	802
Number of Blood Tests Returned Positive	47
Number of Blood Tests Returned Negative	755
Number of Gonorrhoea Treatments	951
Number of Syphilis Treatments	504